



# 8.0

## List of Preparers

This list presents the individuals who contributed to the technical content of this environmental impact statement. The preparation of the EIS was directed by Thomas L. Wichmann of the U.S. Department of Energy Idaho Operations Office. S. J. Connor provided project management of the Integrating Contractor, Tetra Tech NUS, Inc. R. H. Holder provided project management for Jason Associates Corporation, DOE's Support Services Contractor.

Some of the individuals listed below prepared specific sections in accordance with their technical qualifications. Other technical experts provided input to those sections through in-depth review and data verification. Still others provided overall technical or management reviews for their respective organizations.

## **U.S. Department of Energy**

Name: **Lynne Boyle, CPA**

Affiliation: U.S. Department of Energy

Education: B.S., Accounting, 1979

Technical Experience: 20 years of accounting experience including 2 years in government auditing, 3 years as non-government company controller, 3 years in government financial accounting, 3 years as program analyst for INEEL government EM programs.

EIS Responsibility: Cost Analysis Technical Lead

Name: **Bradley P. Bugger**

Affiliation: U.S. Department of Energy

Education: B.S., Journalism, 1979

Technical Experience: 9 years experience as a contractor and federal employee in stakeholder involvement, media relations and intergovernmental activities.

EIS Responsibility: Public Affairs Lead

Name: **Robert J. Creed, Jr., PG**

Affiliation: U.S. Department of Energy

Education: M.S., Geology, 1998  
B.S., Earth Sciences, 1983

Technical Experience: 10 years of experience in DOE research and project management in contaminant transport, earthquake engineering and flood hydrology.

EIS Responsibility: Analytical Lead - Geology and Water Resources

Name: **Jack D. Depperschmidt**

Affiliation: U.S. Department of Energy

Education: B.S., Wildlife Biology, 1985

Technical Experience: 13 years; 2 years experience with NESHAP approvals and State Air Permitting; 11 years experience with Toxic Substances Control Act and Resource Conservation and Recovery Act Permitting and Compliance; 4 years experience with the National Environmental Policy Act making NEPA determinations.

EIS Responsibility: Regulatory Compliance Associate Advisor; NEPA Compliance Associate Advisor

Name: **Denise M. Gloré**

Affiliation: U.S. Department of Energy

Education: J.D., 1985  
M.S., Biology, 1980  
B.A., Geography and Anthropology, 1978

Technical Experience: 19 years, including 13 years as environmental attorney; 6 years in photogrammetry, NEPA data collection and statistical analysis.

EIS Responsibility: Consultations, Legal and Regulatory Issues

Name: **Jan Hagers**

Affiliation: U.S. Department of Energy

Education: M.B.A., 1974  
B.S., Mechanical Engineering, 1968

Technical Experience: 30 years engineering experience on nuclear projects with 7 years NEPA experience as a manager or technical lead.

EIS Responsibility: Analytical Lead - Environmental Justice

*List of Preparers*

Name: **David Herrin**

Affiliation: U.S. Department of Energy

Education: M.S., Electrical Engineering, 1992  
B.S., Electrical Engineering, 1990

Technical Experience: 6 years experience in construction project management and program oversight for Power Management Group, also technical lead for electrical systems on advanced Test Reactor Safety Analysis Report.

EIS Responsibility: Analytical Lead – Facility Accidents, Traffic and Transportation, Utilities and Energy

Name: **Talley Jenkins**

Affiliation: U.S. Department of Energy

Education: M.S., Metallurgical Engineering, 1991  
B.S., Metallurgical Engineering, 1989

Technical Experience: 7 years involvement in Environmental Restoration program dealing with risk assessment, feasibility studies, and remedial action.

EIS Responsibility: CERCLA and WAG-3 Coordinator; Facilities Disposition Advisor

Name: **William D. Jensen**

Affiliation: U.S. Department of Energy

Education: M.E., Chemical Engineering, 1975  
B.E.S., Chemical Engineering, 1968

Technical Experience: 29 years, 22 years Special Projects Manager, DOE-ID, Facility Manager, Idaho Chemical Processing Plant, Deputy Assistant Manager, Nuclear Programs, Acting Manager, ES&H Oversight, Director, Safety Division, Chief, Nuclear Safety Branch and Nuclear Engineer, Nuclear Safety Branch, Idaho Operations Office, 2 years, Nuclear Safety Specialist, and Quality Assurance Engineer, Richland Operations Office, 5 years Test and Decontamination Engineer, Pearl Harbor Naval Shipyard.

EIS Responsibility: Facility Accidents Advisor

Name: **Richard Kimmel**

Affiliation: U.S. Department of Energy

Education: B.S., Civil Engineering, 1969

Technical Experience: 30 years, including 2 years of natural gas systems engineering, 20 years of construction engineering and project/environmental management at fossil-fueled and nuclear power plants, and 8 years of program and project management with DOE including public involvement, NEPA analyses, the preparation of Safety Analysis Reports, and Operational Readiness Reviews.

EIS Responsibility: Deputy EIS Project Manager

Name: **Seb Klein**

Affiliation: U.S. Department of Energy

Education: M.B.A., 1993  
B.A., Accounting, 1991  
B.A., Management & Organization, 1991

Technical Experience: 8 years including 2 years experience in compiling and developing socioeconomic data for INEEL, 5 years as a program/budget analyst, 1 year as labor/employee benefit analyst for INEEL.

EIS Responsibility: Analytical Lead - Socioeconomics

Name: **Paul Martin**

Affiliation: U.S. Department of Energy

Education: B.S., Wildlife Science, 1974  
B.A., English, 1965

Technical Experience: 25 years experience in NEPA document preparation, land use analysis and environmental management.

EIS Responsibility: Analytical Lead – Land Use, Aesthetics and Scenic Resources, Irretrievable and Irreversible Impacts

*List of Preparers*

Name:	<b>Patricia M. Natoni</b>
Affiliation:	U.S. Department of Energy
Education:	M.S., Agronomy, 1993 B.S., Biology, 1991
Technical Experience:	5 years; 4 years as Cultural Resources Program Coordinator, 3 years in public involvement.
EIS Responsibility:	Analytical Lead - Cultural Resources
Name:	<b>Dan Sanow</b>
Affiliation:	U.S. Department of Energy
Education:	B.B.S., Management and Organization, 1990
Technical Experience:	10 years program management in areas of deactivation, D&D, waste management, construction engineering, Quality Engineering and audit of NQA-1 programs.
EIS Responsibility:	Facility Disposition
Name:	<b>Ralph W. Russell</b>
Affiliation:	U.S. Department of Energy
Education:	B.S., Chemical Engineering, 1970
Technical Experience:	22 years air quality; 4 years public involvement.
EIS Responsibility:	Analytical Lead - Air Resources
Name:	<b>Robert Starck</b>
Affiliation:	U.S. Department of Energy
Education:	B.S., Zoology, 1975
Technical Experience:	15 years environmental science.
EIS Responsibility:	Analytical Lead - Cultural Resources

Name: **Roger Twitchell**

Affiliation: U.S. Department of Energy

Education: B.S., Botany, 1979

Technical Experience: 22 years natural resources management experience including 7 years NEPA specialist with BLM, 6 years natural resources officer with the Marine Corps, 8 years with DOE on NEPA, CERCLA, RCRA and NRDA projects, 4 years as DOE-ID NEPA Compliance Officer.

EIS Responsibility: INEEL NEPA Compliance Officer; Analytical Lead - Ecological Resources, Cumulative Impacts

Name: **Kathleen B. Whitaker**

Affiliation: U.S. Department of Energy

Education: B.A., English, 1973

Technical Experience: 14 years Public Affairs Management, Department of Army. 7 years Public Participation and NEPA Public Involvement, DOE.

EIS Responsibility: EIS Stakeholder Involvement Lead

Name: **Thomas L. Wichmann**

Affiliation: U.S. Department of Energy

Education: U.S. Naval Nuclear Propulsion Program Graduate  
Light Water Breeder Reactor/Expendable Core Facility Project Officer  
S1W Naval Nuclear Reactor Prototype Project Officer

Technical Experience: 29 years; 20 years Nuclear Power Plant Operations and maintenance, 5 years radioactive and hazardous materials transportation; 5 years managing preparation of NEPA documents and conducting NEPA analyses (accidents and waste management).

EIS Responsibility: EIS Project Manager

### *List of Preparers*

Name: **Mary V. Willcox**

Affiliation: U.S. Department of Energy

Education: B.S., Chemistry, 1990

Technical Experience: 9 years; 3 years radiochemist, 3 years technical manager for NEPA analysis; 3 years Mixed Low-level Waste Program Manager.

EIS Responsibility: Technical Reviewer

## **State of Idaho**

Name: **Ann Dold**

Affiliation: State of Idaho INEEL Oversight Program

Education: B.S., Environmental Planning, 1983

Technical Experience: 15 years experience in environmental affairs.

EIS Responsibility: Project lead for State of Idaho

Name: **Jerry Downs**

Affiliation: State of Idaho INEEL Oversight Program

Education: Ph.D., Physics, 1975

Technical Experience: 23 years experience in air quality and 3 years in transportation risk assessments.

EIS Responsibility: Air quality and transportation risk issues, QA/QC issues

Name: **Bill Eastlake**

Affiliation: Idaho Public Utilities Commission

Education: Ph.D., Economics, 1969

Technical Experience: 20 years experience utility issues.

EIS Responsibility: Impacts to utilities



Name: **David Frederick**  
Affiliation: State of Idaho INEEL Oversight Program  
Education: M.S., Geology, 1990  
Technical Experience: 10 years experience in geology and groundwater issues.  
EIS Responsibility: Reviewer for geology/hydrology issues

Name: **Jamie Fuhrman**  
Affiliation: State of Idaho INEEL Oversight Program  
Education: B.S., Political Science, 1987  
Technical Experience: 10 years experience in public information and media relations.  
EIS Responsibility: Public Information Officer

Name: **Tom Gesell**  
Affiliation: Idaho State University  
Education: Ph.D, Physics, 1971  
Technical Experience: 27 years experience in health physics.  
EIS Responsibility: Accident and health risk assessment

Name: **Robert Guenzler, P.E.**  
Affiliation: State of Idaho INEEL Oversight Program  
Education: M.S., Civil Engineering, 1966  
Technical Experience: 30 years experience in structural analysis and earthquake engineering.  
EIS Responsibility: Nuclear engineering and technology

*List of Preparers*

Name:	<b>Flint Hall</b>
Affiliation:	State of Idaho INEEL Oversight Program
Education:	M.S., Geology, 1992
Technical Experience:	8 years experience in environmental monitoring of groundwater.
EIS Responsibility:	Geology/hydrology issues
Name:	<b>Manuel Leon</b>
Affiliation:	Idaho Department of Labor
Education:	Ph.D., Psychology, 1976
Technical Experience:	10 years experience in economic analysis.
EIS Responsibility:	Socioeconomic issues
Name:	<b>Alan Merritt</b>
Affiliation:	State of Idaho INEEL Oversight Program
Education:	M.S., Zoology, 1980
Technical Experience:	15 years experience in water and wastewater chemistry, hazardous and radioactive waste management.
EIS Responsibility:	Deputy Project Lead for State of Idaho
Name:	<b>Rensay Owen</b>
Affiliation:	State of Idaho Division of Environmental Quality
Education:	B.S., Zoology, 1985
Technical Experience:	8 years experience in RCRA and radioactive waste management.
EIS Responsibility:	RCRA issues

Name: **Scott Reno**  
Affiliation: State of Idaho Division of Environmental Quality  
Education: B.S., Chemistry, 1990  
Technical Experience: 7 years experience in sewage treatment, underground storage tanks and CERCLA issues.  
EIS Responsibility: CERCLA issues

Name: **Duane Sammons**  
Affiliation: Lt. Idaho State Police  
Technical Experience: 24 years experience in law enforcement.  
EIS Responsibility: Law enforcement issues

Name: **Bryan Smith**  
Affiliation: Idaho Department of Transportation  
Technical Experience: 11 years experience in hazardous materials and emergency management and transportation issues.  
EIS Responsibility: Transportation issues

Name: **Alan Schilk**  
Affiliation: State of Idaho INEEL Oversight Program  
Education: Ph.D., Radiochemistry, 1991  
Technical Experience: 10 years experience in environmental monitoring and modeling radionuclide transport in the environment.  
EIS Responsibility: Nuclear engineering and technology issues

*List of Preparers*

Name: **Luke Paulus**

Affiliation: State of Idaho INEEL Oversight Program

Education: M.S., Health Physics, 1995

Technical Experience: 5 years experience in laboratory analysis, risk assessment and environmental monitoring.

EIS Responsibility: Accident and health risk assessment issues

Name: **Doug Walker**

Affiliation: State of Idaho INEEL Oversight Program

Education: B.S., Health Physics, 1990

Technical Experience: 7 years experience in environmental monitoring and emergency response.

EIS Responsibility: Accident and health risk assessment issues

Name: **Gerry Winter**

Affiliation: State of Idaho Division of Environmental Quality

Education: M.S., Hydrology, 1979

Technical Experience: 25 years experience in groundwater issues.

EIS Responsibility: Geology and hydrology issues



## **Tetra Tech NUS and associated subcontractors**

Name: **Yvonne F. Abernethy**

Affiliation: **Tetra Tech NUS**

Education: **M.S., Forest Management and Economics, 1984  
B.S., Forest Management, 1979**

Technical Experience: **5 years preparing NEPA documents; 14 years in natural resource management and environmental planning.**

EIS Responsibility: **Quality Assurance, Data Management**

Name: **Michele D. Blackburn**

Affiliation: **Tetra Tech NUS**

Technical Experience: **10 years experience in graphic design, layout and illustrations for NEPA documents.**

EIS Responsibility: **Graphics Lead**

*List of Preparers*

Name: **Janet Bouknight**

Affiliation: Tetra Tech NUS

Education: B.S., Biological Sciences, 1995  
M.S., Environmental Toxicology, 1998

Technical Experience: 3 years in polymer research; 1 year in ecological risk assessment.

EIS Responsibility: Ecological Resources; Project Information

Name: **Bruce Bradford, P.E.**

Affiliation: Tetra Tech NUS

Education: Ph.D., Civil Engineering, 1974  
M.S., Civil Engineering, 1966  
B.S., Civil Engineering, 1965

Technical Experience: 15 years preparing NEPA documents; 32 years in civil engineering specializing in hydrology, hydraulics, and water resources.

EIS Responsibility: Senior Technical Reviewer

Name: **Steven J. Connor**

Affiliation: Tetra Tech NUS

Education: M.S., Physics, 1974  
B.S., Physics, 1973

Technical Experience: 23 years in environmental management systems, radiological effluent monitoring, analytical laboratory quality assurance, gamma spectrometry, radiological transportation risk assessments, environmental transport, dose assessments, human health risk assessments, and NEPA document preparation.

EIS Responsibility: Tetra Tech NUS Project Manager

Name: **William Craig**

Affiliation: Tetra Tech NUS

Education: M.S., Planning, 1977  
B.S., Forestry, 1972

Technical Experience: 10 years preparing NEPA documents; 20 years utility fuel planning and powerplant siting.

EIS Responsibility: Socioeconomics

Name: **Kent T. Cubbage**

Affiliation: Tetra Tech NUS

Education: M.S. Environmental Toxicology, 1993  
B.S., Environmental Biology, 1991

Technical Experience: 6 years experience in toxicology, risk assessment, and aquatic and terrestrial ecology.

EIS Responsibility: Ecological Resources

Name: **Sandy Enyeart, P.E.**

Affiliation: Tetra Tech NUS

Education: B.S., Civil Engineering, 1974  
B.A., Fine Arts, 1987

Technical Experience: 10 years preparing NEPA documents, 22 years DOE experience primarily in water resources, NEPA, and safety analysis.

EIS Responsibility: Geology and Soils; Water Resources

*List of Preparers*

Name: **Philip Fulmer**

Affiliation: Tetra Tech NUS

Education: Ph.D. Nuclear Engineering, 1993  
M.S., Health Physics, 1990  
B.A., Health Physics, 1989

Technical Experience: 10 years experience in radiation protection, internal radiation dosimetry, and external radiation dosimetry.

EIS Responsibility: Facility Disposition Modeling

Name **Jean-Luc Glorieux, P.E.**

Affiliation: Tetra Tech NUS

Education: M.S., Chemistry, 1968  
B.S., Chemistry, 1966

Technical Experience: 30 years of environmental engineering experience.

EIS Responsibility: Project Engineering

Name: **Kathryn Hauer**

Affiliation: Tetra Tech NUS

Education: M.A., English, 1985  
B.A., English, 1983

Technical Experience: 12 years experience in technical writing, editing, and teaching in both government and business disciplines; 5 years in preparation of NEPA documents.

EIS Responsibility: Editor



Name: **Brian Hill**

Affiliation: Tetra Tech NUS

Education: B.S., Environmental Health, 1988

Technical Experience: 3 years preparing NEPA documents; 11 years in health physics, industrial hygiene, emergency preparedness, and environmental science.

EIS Responsibility: Environmental Consequences Data, Health and Safety

Name: **Tom Ivory**

Affiliation: Tetra Tech NUS

Education: Ph.D. Environmental Microbiology, 1973  
M.S., Environmental Microbiology, 1967  
B.A., Biology, 1965

Technical Experience: 25 years preparing NEPA documents; 25 years in environmental management and quality assurance; 10 years in environmental risk assessment.

EIS Responsibility: Ecological Resources Lead

Name: **Douglas Kennemore**

Affiliation: Tetra Tech NUS

Education: M.S., Biology, 1995  
B.S., Biology, 1991

Technical Experience: 2 years preparing NEPA documents; 7 years botany and plant community investigations.

EIS Responsibility: Cultural Resources, Aesthetic and Scenic Resources

*List of Preparers*

Name: **Lisa A. Matis**

Affiliation: Tetra Tech NUS

Education: M.S., Mechanical Engineering, 1989  
B.S., Chemical Engineering, 1984

Technical Experience: 9 years preparing NEPA documents; 14 years of waste management and regulatory compliance services.

EIS Responsibility: Consultation and Environmental Requirements; Background; Alternatives; Waste and Materials

Name: **William R. McDonell**

Affiliation: Tetra Tech NUS

Education: Ph.D., Nuclear Chemistry, 1951  
M.S., Chemistry, 1948  
B.S., Chemistry, 1947

Technical Experience: 50 years experience in nuclear and radiation technologies including strategies for nuclear waste disposal.

EIS Responsibility: Senior Consultant

Name: **Aparajita Morrison**

Affiliation: Tetra Tech NUS

Education: B.S., Health Physics, 1985

Technical Experience: 5 years preparing NEPA documents; 13 years of Environmental and Occupational Health Physics Experience.

EIS Responsibility: Health and Safety

Name: **Philip R. Moore**

Affiliation: Tetra Tech NUS

Education: M.S., Wildlife & Fisheries Biology, 1983  
B.A., English, 1975

Technical Experience: 8 years preparing NEPA documents; 17 years as fishery biologist and aquatic ecologist.

EIS Responsibility: Environmental Consequences Technical Lead; Land Use

Name: **Richard F. Orthen**

Affiliation: Tetra Tech NUS

Education: B.S., Chemistry, 1979

Technical Experience: 6 years preparing NEPA documents; 20 years occupational and environmental health physics.

EIS Responsibility: Traffic and Transportation

Name: **David N. Perry**

Affiliation: Tetra Tech NUS

Education: B.S., Civil Engineering, 1997

Technical Experience: 2 years of experience as GIS analyst and environmental engineer, developing environmental GIS applications and analytical databases.

EIS Responsibility: Environmental Justice

Name: **Diane Sinkowski**

Affiliation: Tetra Tech NUS

Education: M.E., Environmental Engineering, 1994  
B.S., Nuclear Engineering Sciences, 1990

Technical Experience: 4 years preparing NEPA documents; 6 years in fate and transport modeling, human health impacts, environmental compliance, and health physics.

EIS Responsibility: Facility closure modeling; Project Information; Traffic and Transportation and Utilities and Energy.

Name: **James S. Willison, P.E., CHP**

Affiliation: Tetra Tech NUS

Education: M.S., Nuclear Engineering, 1982  
B.S., Nuclear Engineering, 1980

Technical Experience: 2 years preparing NEPA documents; 14 years of accident analyses at nuclear facilities; health physics and radiological engineering.

EIS Responsibility: Facility Accidents

*List of Preparers*

Name: **Philip L. Young, CHP**

Affiliation: Tetra Tech NUS

Education: M.S., Health Physics, 1989  
B.S., Radiation Health, 1988

Technical Experience: 10 years experience in NEPA document preparation, radiological risk assessment, radioactive waste management, and radiological environmental monitoring.

EIS Responsibility: Tetra Tech NUS Deputy Project Manager; Alternatives lead

Name: **Kent Bostick**

Affiliation: Jacobs Engineering Group

Education: M.S., Groundwater Hydrology, 1977  
B.S., Soil Science, 1975

Technical Experience: 20 years experience in environmental compliance at DOE and DOD facilities; 10 years in the preparation of NEPA documents.

EIS Responsibility: Hanford Impacts

Name: **Dwayne Crumpler**

Affiliation: Jacobs Engineering Group

Education: M.S., Geology, 1989  
B.S., Geology, 1985

Technical Experience: 10 years experience in environmental compliance at DOE, DOD and private sector facilities; 3 years in the preparation of NEPA documents.

EIS Responsibility: Hanford Impacts

Name: **Doug Evans**

Affiliation: Jacobs Engineering Group

Education: M.S., Geology, 1989  
B.S., Geology, 1980

Technical Experience: 10 years experience in environmental compliance at DOE; 7 years in the preparation of NEPA documents.

EIS Responsibility: Hanford Impacts

Name: **Harry Fugate**

Affiliation: Jacobs Engineering Group

Education: M.S., Environmental Engineering, 1989  
MBA, 1988  
B.S., Civil and Environmental Engineering, 1986

Technical Experience: 10 years experience in environmental compliance at DOE; 1 year in the preparation of NEPA documents.

EIS Responsibility: Hanford Impacts

Name: **Greg Gavel**

Affiliation: Jacobs Engineering Group

Education: B.S., Nuclear Engineering, 1990

Technical Experience: 10 years experience in processing engineering for private sector clients; 1 year in the preparation of NEPA documents.

EIS Responsibility: Hanford Impacts

*List of Preparers*

Name: **Michael Harker**

Affiliation: Jacobs Engineering Group

Education: B.S., Zoology, 1979

Technical Experience: 15 years experience in environmental compliance at DOE; 5 years in the preparation of NEPA documents.

EIS Responsibility: Hanford Impacts

Name: **Colin Henderson**

Affiliation: Jacobs Engineering Group

Education: M.S., Environmental Engineering, 1996  
B.S., Mechanical Engineering, 1986

Technical Experience: 10 years engineering experience with industry and environmental compliance at DOE; 5 years experience in the preparation of NEPA documents.

EIS Responsibility: Hanford Impacts

Name: **Kathleen Moore**

Affiliation: Jacobs Engineering Group

Education: M.P.H. Epidemiology and Public Health, 1989  
B.S., Biochemistry, 1978

Technical Experience: 10 years experience in environmental compliance at DOE and DOD; 8 years in the preparation of NEPA documents.

EIS Responsibility: Hanford Impacts

Name: **Dave Nichols**

Affiliation: Jacobs Engineering Group

Education: B.A., Political Science and Communications, 1980

Technical Experience: 15 years experience in environmental compliance for DOE, DOD, EPA and industry; 9 years experience in the preparation of NEPA documents.

EIS Responsibility: Hanford Impacts

Name: **Jack Sabin**

Affiliation: Jacobs Engineering Group

Education: B.A., Mechanical Engineering, 1973

Technical Experience: 40 years experience in engineering, project scheduling, and cost estimating for DOE and industry; 3 years experience in the preparation of NEPA documents.

EIS Responsibility: Hanford Impacts

Name: **Mike Worthington**

Affiliation: Jacobs Engineering Group

Education: B.S., Chemical Engineering, 1971

Technical Experience: 25 years experience in chemical and processing engineering for industry; 1 year experience in the preparation of NEPA documents.

EIS Responsibility: Hanford Impacts

Name: **Kirsten Schandfield**

Affiliation: David Miller & Associates

Education: M.B.A., Business Administration, 1992  
B.S., Psychology, 1985

Technical Experience: 12 years of experience in preparation of financial and cost analyses for government and public institutions.

EIS Responsibility: Cost Analysis of Alternatives

Name: **Vinicio Yannicola, Jr.**

Affiliation: David Miller & Associates

Education: M.B.A., Business Administration, 1992  
B.S., Economics and Finance, 1986

Technical Experience: 12 years of experience in preparation of financial and cost analyses for government and public institutions.

EIS Responsibility: Cost Analysis of Alternatives

*List of Preparers*

Name: **Robert C. Peel**

Affiliation: Rogers & Associates Engineering Corp.

Education: B.S., Geography, 1976

Technical Experience: 23 years of Environmental management, environmental compliance, and NEPA experience.

EIS Responsibility: Cost Analysis of Alternatives, local coordination, issues management

Name: **Bret Rogers**

Affiliation: Rogers & Associates Engineering Corp.

Education: M.S., Environmental Engineering, 1998  
B.S., Physics, 1994

Technical Experience: 4 years experience in risk assessment for transportation of radioactive materials.

EIS Responsibility: Traffic and Transportation

Name: **Vern C. Rogers**

Affiliation: Rogers & Associates Engineering Corp.

Education: M.S., Nuclear Engineering, 1995  
B.S., Physics, 1990

Technical Experience: 13 years NEPA experience in DOE and EPA research and project management in contaminant fate and transport, risk and performance assessment, regulatory development and support, and cost and economic analysis.

EIS Responsibility: Traffic and Transportation



Name: **Rich Belanger, CHP**

Affiliation: Ryan-Belanger Associates

Education: M.S., Radiological Physics, 1976  
A.B. Biology, 1974

Technical Experience: More than 20 years of operational and consulting experience in radiation protection and environmental studies, including over 5 years of direct involvement in NEPA projects.

EIS Responsibility: Air Resources and facility closure modeling

Name: **Deborah Ryan**

Affiliation: Ryan-Belanger Associates

Education: B.S., Meteorology, 1976

Technical Experience: 20 years of experience in air pollution control and air quality assessments, including over 5 years of direct involvement in NEPA projects.

EIS Responsibility: Air Resources

Name: **John Raudsup**

Affiliation: Ryan-Belanger Associates

Education: B.S., Chemical Engineering, 1983

Technical Experience: 15 years of operational and consulting experience in nuclear and chemical facility operations and environmental impact assessment, including over 3 years of direct involvement in NEPA projects.

EIS Responsibility: Air Resources

*List of Preparers*

Name: **Sara McQueen**

Affiliation: Tetra Tech, Inc.

Education: B.A., Economics, 1995

Technical Experience: More than 3 years experience conducting socioeconomic analyses and environmental justice evaluations under NEPA for DOE and DOD.

EIS Responsibility: Environmental Justice

Name: **Fred Blazine**

Affiliation: Erin Engineering Research

Education: M.B.A, Business Administration & Analysis, 1980  
M.A., Industrial Management, 1975  
B.S.E.E., Electrical Engineering, 1960

Technical Experience: 3 years as systems engineer for environmental projects supporting the Idaho National Engineering and Engineering Laboratory and DOE; 10 years as a systems engineer developing USAF avionics systems; over 20 years as a project engineer developing and testing avionics systems.

EIS Responsibility: Senior Alternatives Analysis Engineer

Name: **Stanley Fong**

Affiliation: Erin Engineering Research

Education: B.S., Chemical Engineering, 1990

Technical Experience: 8 years experience in safety analysis, risk assessment, dispersion modeling, and health consequences assessment.

EIS Responsibility: Facility Accidents

Name: **Richard Thow**

Affiliation: Erin Engineering Research

Education: B.S., Civil Engineering, 1984

Technical Experience: 8 years in nuclear licensing and structural engineering for commercial nuclear facilities.

EIS Responsibility: Facility Accidents

Name: **Al Unione**

Affiliation: Erin Engineering Research

Education: Ph.D., Mechanics and Hydraulics, 1972  
M.S., Mechanics and Hydraulics, 1970  
B.S., Mechanical and Aerospace Engineering 1967

Technical Experience: 26 years of professional experience; 23 years of experience in risk assessments, safety assessment, probabilistic risk evaluations, and health impact evaluations; 6 years experience in conducting accident analyses for EISs.

EIS Responsibility: Facility Accidents Lead

Name: **Ken Krivanek**

Affiliation: GTI

Education: M.S., Thermal & Environmental Engineering, 1979  
M.S., Geochemistry/Hydrology, 1976  
B.S., Geology/Mineralogy, 1972

Technical Experience: 23 years as an environmental and systems engineer; 15 years preparing NEPA documents.

EIS Responsibility: Facility Accidents, Technical Resource Document

## **Jason Associates Corporation**

**Name:** William Berry

**Affiliation:** Jason Associates Corporation

**Education:** Ph.D., Entomology, 1988  
M.S., Biology, 1983  
B.S., Biology, 1981

**Technical Experience:** 10 years of experience in environmental compliance, environmental impact assessment, ecological risk assessment, and remedial investigations/feasibility studies at DOE and DOD facilities.

**EIS Responsibility:** Unavoidable Adverse Impacts; Irreversible and Irretrievable Commitments of Resources; Short-Term Use Versus Long-Term Productivity of the Environment; Cumulative Impacts

**Name:** Herbert A. Bohrer

**Affiliation:** Jason Associates Corporation

**Education:** B.S., Mechanical Engineering, 1971

**Technical Experience:** 35 years nuclear operations experience; 20 years waste management experience; 3 years NEPA experience.

**EIS Responsibility:** Appendix A; Consultations and Environmental Requirements

**Name:** Albert Bowman

**Affiliation:** Jason Associates Corporation

**Education:** B.A., Physics and Mathematics, 1958

**Technical Experience:** 34 years of university and government experience in engineering, environmental and NEPA compliance, and related fields including: 16 years nuclear engineering and environmental compliance; 13 years of NEPA experience and preparation of environmental impacts assessments.

**EIS Responsibility:** Senior Technical Advisor

Name: **Carole Cole**

Affiliation: Jason Associates Corporation

Education: B.S., Experimental Psychology, 1967

Technical Experience: 20 years of experience specializing in government and industry, communications, public participation, and media planning.

EIS Responsibility: Public Involvement; Summary

Name: **Theran Cook**

Affiliation: Jason Associates Corporation

Education: U.S. Naval Nuclear Propulsion Program Graduate  
NRC Licensed reactor operator

Technical Experience: 30 years of experience in the development of safety analysis reports, operational safety requirements, technical specifications, and technical safety requirements for commercial nuclear and DOE facilities.

EIS Responsibility: Facility Accidents

Name: **Keith Davis, P.E.**

Affiliation: Jason Associates Corporation

Education: M.S., Civil and Environmental Engineering, 1976  
B.S., Civil Engineering, 1973

Technical Experience: 22 years of experience in civil and environmental engineering projects; hazardous and radioactive mixed waste management; RCRA facility operation, permitting and closure; CERCLA release response, site investigations, feasibility studies, and remedial action planning; and NEPA environmental impact analyses.

EIS Responsibility: Waste and Materials

*List of Preparers*

Name: **Kevin Harris**

Affiliation: Jason Associates Corporation

Education: M.S., Environmental Engineering, 1997  
B.S., Environmental Engineering, 1995

Technical Experience: 2 years experience in environmental engineering projects including RCRA closure; emergency management assessments; Citizen Advisory Board technical support; environmental baseline modeling; and environmental sampling.

EIS Responsibility: Waste and Materials; Consultations and Environmental Requirements

Name: **Kim Johnson**

Affiliation: Jason Associates Corporation

Education: B.S., Biology, 1994

Technical Experience: 4 years of experience in environmental compliance, environmental site assessment, and environmental restoration; 2 years in preparation of NEPA documents.

EIS Responsibility: Affected Environment: Land Use, Aesthetic Scenic Resources, Ecological Resources, Utilities and Energy, Environmental Justice, and Cumulative Impacts

Name: **Daren K. Jensen**

Affiliation: Jason Associates Corporation

Education: B.S., Physics, 1992  
A.A.S, General Education, 1989

Technical Experience: 13 years of environment, safety, health and quality assurance experience with emphasis on radiological program development, regulatory compliance, ALARA implementation, auditing, and training.

EIS Responsibility: Quality Assurance Program, Data Management

Name: **Emily Scarborough**

Affiliation: Jason Associates Corporation

Education: B.S., Biology, 1981

Technical Experience: 15 years of experience in various areas of health physics, including field operations, training, regulatory compliance, and risk assessment.

EIS Responsibility: Affected Environment: Health and Safety

Name: **Michael J. Spry**

Affiliation: Portage Environmental, Inc.

Education: M.S., Land Rehabilitation, 1986  
B.S., Environmental Studies, 1983

Technical Experience: 15 years of experience in environmental compliance, preparing CER-CLA compliance documents, conducting RCRA facility closures and performing NEPA impact analyses.

EIS Responsibility: Affected Environment: Cultural Resources

Name: **Nelson Soucek**

Affiliation: Jason Associates Corporation

Education: A.A., Fine Arts, 1975

Technical Experience: 22 years of visual communications experience.

EIS Responsibility: Affected Environment: Graphics

## **Tetra Tech NUS Publications Group**

Dwight Coleman (Reproduction)

Mary T. Saunders (Word Processing)

Keely Kennemore (Illustrations)

Regina J. Speir (Word Processing)

Rebecca Moore (Graphics & List of Preparers)

## **Photography Acknowledgements**

Steve Ashe

Douglas Kennemore

Beverly Bastain

Rebecca Moore

Donna Berlin

Chris Morgan

Michele Blackburn

Ron Paarman

Cindy Copeland

Rick Romero

John Capek

Ron Thinn

Mike Crane

Byron Williams

Norm Free

## **High-Level Waste EIS Project Office**

LoAnn Belnap (Administrative Record)

Lonnie Martinell (Project Secretary)

Cindy Brown (Administrative Record Manager)

Don Minton (Administrative Supervisor)